## INTERNATIONAL SEARCH REPORT

International application No.

PCT/FI 2005/000038

## A. CLASSIFICATION OF SUBJECT MATTER

IPC7: A61B 5/04, G01R 33/02, G01R 19/00 According to International Patent Classification (IPC) or to both national classification and IPC

#### **B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)

## IPC7: A61B, G01R

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

## SE,DK,FI,NO classes as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

# EPO-INTERNAL, WPI DATA, PAJ

# C. DOCUMENTS CONSIDERED TO BE RELEVANT

Further documents are listed in the continuation of Box C.

| Category* | Citation of document, with indication, where appropriate, of the relevant passages                                 | Relevant to claim No. |
|-----------|--|-----------------------|
| х         | US 5408178 A (JOHN P. WIKSWO, JR, ET AL),<br>18 April 1995 (18.04.1995), column 2; column 11,<br>line 63 - line 65 | 1-10                  |
|           | <b></b>  |                       |
| X         | US 20020151779 A1 (WILLIAM F. AVRIN ET AL),<br>17 October 2002 (17.10.2002), [0046]                                | 1-10                  |
|           | <del></del>  |                       |
| X         | US 4793355 A (DUANE B. CRUM ET AL),<br>27 December 1988 (27.12.1988), abstract                                     | 1-7,9-10              |
|           |  |                       |
| X         | EP 0483698 A1 (NEUROMAG OY), 6 May 1992<br>(06.05.1992), column 1, line 38 - line 45                               | 1                     |
|           | <del></del>  |                       |

| *<br>"A"   | Special categories of cited documents:  document defining the general state of the art which is not considered to be of particular relevance | "T" later document published after the international filing date or priority date and not in conflict with the application but dited to understand the principle or theory underlying the invention |   |  |
|--|--|---|---|--|
| "E" earlier application or patent but published on or after the international filing date  "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) |  | "X"   | considered novel or cannot be considered to involve an inventive  |  |
|  |  | "Y"   | step when the document is taken alone  document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is |  |
| "0"  | document referring to an oral disclosure; use, exhibition or other means   |   | combined with one or more other such documents, such combination<br>being obvious to a person skilled in the art  |  |
| "P"  | document published prior to the international filing date but later than the priority date claimed   | <b></b>   | document member of the same patent family   |  |
| Date   | e of the actual completion of the international search   | Date  | of mailing of the international search report   |  |
| 26   | May 2005   |   | 2. 7 -05- 2005  |  |
| Name and mailing address of the ISA/   |  | Autho   | rized officer   |  |
| Вох  | edish Patent Office<br>< 5055, S-102 42 STOCKHOLM<br>simile No. + 46 8 666 02 86   |   | re Elnäs/MN<br>none No. + 46 8 782 25 00  |  |

See patent family annex.

Form PCT/ISA/210 (second sheet) (January 2004)

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| ategory* | Citation of document, with indication, where appropriate, of the relevant passages   | Relevant to claim No |  |
|----------|--|----------------------|--|
| Э,Х      | Samu Taulu et al<br>International Congress Series 1270 (2004)<br>32-37 2 August 2004<br>Clinical applications of the signal space<br>separation method<br>abstract | 1-10                 |  |
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| Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)  |
|---|
| This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:  |
| Claims Nos.:  because they relate to subject matter not required to be searched by this Authority, namely:  |
| 2. Claims Nos.: 1-10  because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:  See extra sheet. |
| 3. Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).   |
| Box No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)  |
| This International Searching Authority found multiple inventions in this international application, as follows:   |
| 1. As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.   |
| 2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.   |
| 3. As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:   |
|   |
| 4. No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:                                   |
| Remark on Protest  The additional search fees were accompanied by the applicant's protest.  |
| No protest accompanied the payment of additional search fees.   |

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#### INTERNATIONAL SEARCH REPORT

Continuation of Box II

Present claim 1 relates to an extremely large number of possible methods. In fact, the claim contains so many options and variables that a lack of clarity and conciseness within the meaning of Article 5 and 6 PCT arises to such an extent as to render a meaningful search of the claim impossible.

Consequently, the search has been carried out for those parts of the application which appear to be clear and concise, namely methods recited in the examples, i.e. measurement of (bio-) magnetic signals emanating from DC-currents in an object by moving the object.

The applicant's attention is drawn to the fact that claims relating to inventions in respect of which no international search report has been established will not be the subject of an international preliminary examination (Rule 66.1(e) PCT). This is the case irrespective of whether or not the claims are amended following receipt of the search report or during any Chapter II procedure.

# INTERNATIONAL SEARCH REPORT Information on patent family members.

International application No. PCT/FI 2005/000038

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